What is claimed is:

1. A compound of formula (I):

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wherein:

one of Z_1 , Z_2 , Z_3 , Z_4 and Z_5 is N, one is CR^{1a} and the remainder are CH, or one or two of Z_1 , Z_2 , Z_3 , Z_4 and Z_5 are independently CR^{1a} and the remainder are CH;

R1 and R1a are independently hydrogen; hydroxy; (C_{1-6}) alkoxy unsubstituted or substituted by (C_{1-6}) alkoxy, amino, piperidyl, guanidino or amidino any of which is optionally N-substituted by one or two (C_{1-6}) alkyl, acyl or (C_{1-6}) alkylsulphonyl groups, CONH2, hydroxy, (C_{1-6}) alkylthio, heterocyclylthio, heterocyclyloxy, arylthio, aryloxy, acylthio, acyloxy or (C_{1-6}) alkylsulphonyloxy; (C_{1-6}) alkoxy-substituted (C_{1-6}) alkyl; halogen; (C_{1-6}) alkyl; (C_{1-6}) alkylthio; trifluoromethyl; trifluoromethoxy; nitro; cyano; azido; acyl; acyloxy; acylthio; (C_{1-6}) alkylsulphonyl; (C_{1-6}) alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C_{1-6}) alkyl, acyl or (C_{1-6}) alkylsulphonyl groups; provided that when Z_1 , Z_2 , Z_3 , Z_4 and Z_5 are CR^{1a} or CH, then R^1 is not hydrogen;

W₁, W₂, W₃ and W₄ are each independently selected from N or CR³;

each R³ is independently selected from:

hydrogen; hydroxy; halogen; trifluoromethyl; trifluoromethoxy; cyano; nitro; azido; acyl; acyloxy; acylthio; amino, mono- and di-(C₁₋₆)alkylamino; and substituted and unsubstituted (C₁₋₆)alkoxy, (C₁₋₆)alkyl, (C₃₋₇)cycloalkyl, aminocarbonyl, (C₁₋₆)alkylthio, (C₁₋₆)alkylsulphonyl, and (C₁₋₆)alkylsulphoxide;

10 A is (CRR)_n;

B is $(CRR)_m$, C=O, or SO_2 :

n is 1 or 2;

m is 1 or 2

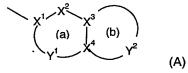
provided that when n is 1, m is 2; when n is 2, m is 1; and when B is C=O or SO2

15 then n is 2;

each R is independently selected from

hydrogen; halogen; trifluoromethyl; trifluoromethoxy; cyano; nitro; azido; acyl; acyloxy; acylthio; amino, mono- and di- (C_{1-6}) alkylamino; and substituted and unsubstituted (C_{1-6})alkoxy, (C_{1-6})alkyl, (C_{3-7})cycloalkyl, aminocarbonyl, (C_{1-6})alkylthio, (C_{1-6})alkylsulphonyl, and (C_{1-6})alkylsulphoxide;

R² is a substituted or unsubstitued bicyclic carbocyclic or heterocyclic ring system of formula (A):



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containing up to four heteroatoms in each ring in which

ring (a) is aromatic and ring (b) is aromatic or non-aromatic;

X¹ is C:

X² is N, NR⁶, O, S(O)x, CO, CR⁴ or CR⁴R⁵;

30 X³ and X⁴ are each independently N or C;

Y¹ is a 1 to 2 atom linker group each atom of which is independently selected from N and CR⁴;

 Y^2 is a 2 to 6 atom linker group, each atom of Y^2 being independently selected from N, NR⁶, O, S(O)x, CO, CR⁴ and CR⁴R⁵;

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each R^4 and R^5 is independently selected from: hydrogen; (C_{1-4}) alkylthio; halo; carboxy (C_{1-4}) alkyl; halo (C_{1-4}) alkoxy; halo (C_{1-4}) alkyl; (C_{1-4}) alkyl; (C_{2-4}) alkenyl; (C_{1-4}) alkoxycarbonyl; (C_{1-4}) alkylcarbonyl; (C_{2-4}) alkenyloxycarbonyl; (C_{2-4}) alkenyloxycarbonyl; (C_{1-4}) alkylcarbonyloxy; (C_{1-4}) alkoxycarbonyl (C_{1-4}) alkyl;

- hydroxy; hydroxy(C₁₋₄)alkyl; mercapto(C₁₋₄)alkyl; (C₁₋₄)alkoxy; nitro; cyano; carboxy; amino or aminocarbonyl is optionally substituted by (C₁₋₄)alkoxycarbonyl, (C₁₋₄)alkylcarbonyl, (C₂₋₄)alkenyloxycarbonyl, (C₂₋₄)alkenylcarbonyl, (C₁₋₄)alkyl or (C₂₋₄)alkenyl and optionally further substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl; (C₂₋₆)alkenyl;
- (C₁₋₄)alkylsulphonyl; (C₂₋₄)alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally mono- or di-substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl; aryl; aryl(C₁₋₄)alkyl; aryl(C₁₋₄)alkoxy; or R⁴ and R⁵ may together represent oxo;
- each R⁶ is independently hydrogen; trifluoromethyl; (C₁₋₄)alkyl unsubstituted or substituted by hydroxy, (C₁₋₆)alkoxy, (C₁₋₆)alkylthio, halo or trifluoromethyl; (C₂₋₄)alkenyl; aryl; aryl(C₁₋₄)alkyl; arylcarbonyl; heteroarylcarbonyl; (C₁₋₄)alkoxycarbonyl; (C₁₋₄)alkylcarbonyl; formyl; (C₁₋₆)alkylsulphonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C₁₋₄)alkoxycarbonyl, (C₁₋₄)alkylcarbonyl, (C₂₋₄)alkenyloxycarbonyl,
- 25 (C₂₋₄)alkenylcarbonyl, (C₁₋₄)alkyl or (C₂₋₄)alkenyl and optionally further substituted by (C₁₋₄)alkyl or (C₂₋₄)alkenyl; and each x is independently 0, 1, or 2; or a pharmaceutically acceptable salt thereof.

2. A compound according to claim 1 wherein Z_5 is CH or N, Z_3 is CH or CF and Z_1 , Z_2 and Z_4 are each CH, or Z_1 is N, Z_3 is CH or CF and Z_2 , Z_4 and Z_5 are each CH.

- A compound according to claim 1 wherein R¹ is methoxy and R^{1a} is H or when Z₃ is CR^{1a} it may be C-F.
 - 4. A compound according to claim 1 wherein:
 - a) W₁-W₄ are independently CR³;
- 10 b) W_1 , W_3 and W_4 are N and W_2 is CR³;
 - c) W2 is N and W1, W3 and W4 are independently CR3;
 - d) W3 is N and W1, W2 and W4 are independently CR3; or
 - e) W₄ is N and W₁-W₃ are independently CR³.
- 15 5. A compound according to claim 1 wherein R³ is independently selected from hydrogen, substituted and unsubstituted (C₁₋₆)alkoxy, and NH₂.
 - 6. A compound according to claim 1 wherein R is independently selected from hydrogen, substituted and unsubstituted (C₁₋₆)alkyl, CONH₂, COOH, hydroxy,
- 20 halogen, and substituted and unsubstituted (C₁₋₆)alkoxy.
 - 7. A compound according to claim 1 wherein in the heterocyclic ring (A), Y^2 has 3-5 atoms including NR⁶, O or S bonded to X^4 and NHCO bonded via N to X^3 , or O or NH bonded to X^3 .

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- 8. A compound according to claim 1 wherein R² is selected from 4*H*-benzo[1,4]thiazin-3-one-6-yl, 4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one-6-yl, 4*H*-pyrido[3,2-*b*][1,4]oxazin-3-one-6-yl,
- 30 1,2,3,4-tetrahydro-[1,8]naphthyridine-7-yl, 1*H*-pyrido[3,2-*b*][1,4]thiazin-2-one-7-yl,

4*H*-benzo[1,4]oxazin-3-one-6-yl, and 6-fluoro-2,3-dihydrobenzo[1,4]dioxine-7-yl.

9. A compound according to claim 1 which is:

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6-({2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)phenyl]ethylamino}methyl)-4*H*-benzo[1,4]thiazin-3-one:

6-({2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)phenyl]ethylamino}methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;

6-({2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)phenyl]ethylamino}methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one;

3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {2-[4-(6-methoxy-[1,5]naphthyridin-4-yl)phenyl]ethyl}amide;

{2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)phenyl]ethyl} (5,6,7,8-tetrahydro[1,8]naphthyridin-2-ylmethyl)amine;

6-{[4-(6-Methoxy-[1,5]naphthyridin-4-yl)benzylamino]methyl}-4H-benzo[1,4]thiazin-3-one;

7-({2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)phenyl]ethylamino}methyl)-1*H*-pyrido[3,2-*b*][1,4]thiazin-2-one;

6-{2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)benzylamino]ethyl}-4*H*-benzo[1,4]oxazin-3-one;

6-{2-[4-(6-Methoxy-[1,5]naphthyridin-4-yl)benzylamino]ethyl}-4*H*-benzo[1,4]thiazin-3-one;

(7-Fluoro-2,3-dihydrobenzo[1,4]dioxin-6-ylmethyl){2-[6-(6-methoxy[1,5]naphthyridin-4-yl)[1,2,4]triazin-3-yl]ethyl}amine;

 $6-({2-[4-(6-Methoxyquinolin-4-yl)phenyl]ethylamino}methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one;$

6-({2-[4-(6,8-difluoroquinolin-4-yl)phenyl]ethylamino}methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;

6-({2-[4-(8-Fluoro-6-methoxyquinolin-4-yl)phenyl]ethylamino}methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;

6-({2-[6-(6-methoxy-[1,5]naphthyridin-4-yl)pyridin-3-yl]ethylamino}methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;

6-({2-[5-(6-methoxy-[1,5]naphthyridin-4-yl)pyridin-2-yl]ethylamino}methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;

6-{{2-[6-(6-methoxy-[1,5]naphthyridin-4-yl)pyridin-3-yl]ethylamino}methyl)-4*H*-pyrido[3,2-*b*][1,4]oxazin-3-one;

 $N-(2,3-dihydro[1,4]dioxino[2,3-c]pyridin-7-ylmethyl)-2-{6-[6-(methyloxy)-1,5-naphthyridin-4-yl]-3-pyridinyl}ethanamine;$

N-(2,3-dihydro[1,4]dioxino[2,3-c]pyridin-7-ylmethyl)-2-{5-[6-(methyloxy)-1,5-naphthyridin-4-yl]-2-pyridinyl}ethanamine;

 $N-(2-\{6-[6-(methyloxy)-1,5-naphthyridin-4-yl]-3-pyridinyl\}ethyl)-3-oxo-3,4-dihydro-2<math>H$ -pyrido[3,2-b][1,4]thiazine-6-carboxamide; and

N-(2-{5-[6-(methyloxy)-1,5-naphthyridin-4-yl]-2-pyridinyl}ethyl)-3-oxo-3,4-dihydro-2*H*-pyrido[3,2-*b*][1,4]thiazine-6-carboxamide; or a pharmaceutically acceptable salt thereof.

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- 10. A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.
- 11. A method of treating bacterial infections in mammals which comprises the
 administration to a mammal in need thereof an effective amount of a compound according to claim 1.